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San Antonio Radio Club BULL-ETIN

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Meets first and third Fridays at 7:30 P.M. at the Red Cross Building, 90 Brees St. ALL who have an interest in amateur radio are cordially invited to attend.

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PROSE PROPOSES

(Editor's Note: An attempt will be made to cover the highlights of the talk by A.Prose Walker W4BW, Chief, Amateur and Citizen Band, Federal Communication Commission, before the Texas VHF-FM Society at Irving, Texas, 3 Aug. 1974. He presented himself well in the more than 3-hour speech to some 500 amateurs. The one and a half hour question and answer session was ably handled by Mr. Walker with competent information skillfully dispersed. de W5BGE.)

"Today, with your permission I would like to review some things that have happened in recent months in the Amateur and Citizens Division and go into a few things that probably will happen in the future.

I know that regulations have been a subject of concern ever since docket 18803, but the increasing complexity of the FCC rules and always it seems the greater the involvement of the Commission in attempts to avoid chaos in the spectrum or, as it is often said, provide for the "interest, convenience and necessity" of the American public, I say that's a bureaucratic way of saying what government thinks is good for the common man!

I'm also going to tell you in a few minutes about a proposal to restructure the amateur service. I can't get into all the details because it would take too long. If there are any of you who did not read Jack Mason's editorial comment in the last issue of the Texas VHF-FM magazine, I urge you to do so because that was an extremely well premised and carefully planned group of thoughts. He was talking about the restructuring which takes into account a possible no code amateur license. If you haven't read it, get your issue and read it.

Now, what's happened in the last few months? We have changed our rules in respect to keeping of logs, not just for repeaters, not just for mobiles, but for all amateur stations. Now, I don't think that the average amateur on HF for example, who is a DXer, is going to stop keeping a log. I'm not going to stop keeping a log and probably most of you won't. But this was brought about by several petitions that pointed out when you mobiling, it is downright hazardous to keep a log, and what purpose does it serve anyway? So we checked with our Field Operations Bureau people and we asked them if they had any real ocassion to use amateur logs in their enforcement law suits and operations. Looking back, they said, "Only very ocassionally". Now, if that's the case there's probably no future basis for the Commission rule requiring you to keep the kind of log which has been required for all these many years. Now, you may wish to keep the log just exactly as you have been, and there is no reason why you should not do it if you desire it. If you don't want to, you don't have to in the future. (Continued on Page 2.)

I am sure you were happy to hear earlier this afternoon that the Emergency Medical Service did not cut into the amateur bands in the 420 to 450 Mhz, as was quite generally believed and on good basis might happen when this was proposed.

We are expanding the number of amateur examination points by a special arrangement at the present time on a trial basis with the Civil Service Commission, who is to give the amateur examination in Anchorage, Chicago, Detroit, Seattle and Honolulu. If this works out on a trial basis for the CSC to give the exam rather than the FCC, I think you could look for an extension of that arrangement throughout the U. S. If we do this it will increase the number of examining points from like 68 up to nearly 900. Then there will be scarcely anybody outside the 75 mile radius for an examining point.

We have granted the first license to an amateur satellite under our proposed amateur rules, W3OHI. They like to be identified by just HI. Well, whether or not that's the right thing, we decided to give them a call with HI on the tail end and then they can just eliminate the W3O, so at least for Oscar VII they will be able to identify Oscar VII, which I believe is to be launched in October.

The RACES situation--I am sure many of you are interested in that. If it goes through as we have proposed, it will be a tremendout simplification of the procedures and will put the Radio Amateur Civil Emergency Service really back in the hands of the amateur radio where it belongs, without all the complex structure of organization and licensing which has been in effect for many years.

We also have done a few things I think that are in the right direction for repeaters. We have issued over 1000 licenses. We have made proposals on linking, even though we don't know of even two repeaters that are linked. We have issued a notice pf proposed rule-making on crossbanding. My own personal feeling on it is that if you only use one pair, I think you are using the spectrum in an efficient manner. But if you get beyond one pair of frequencies I think there is question. I'm not a doomsday artist, the day may come when a lot of people are after these very useful frequencies that we have in the V and UFH areas, and if we are not using them efficiently that will be just another nail in our coffin, perhaps which will not be used to our advantage in respect to their defense. You know, of course, that the forms that we used in standardized remote control methods have been standardized so that it is real easy to process these. A great many of the things are now nothing but log entries for you, rather than information previously under docket 1803 we asked you to submit to Washington.

We have made a proposal to establish a special events station as a regular amateur station--of course, it will cost you something to get a license--but we have been faced with, of course, some subjective judgments all the time whenever some guy writes in and says, "Look, we want to celebrate anything from going up the Missisippi River in a submarine, to selling Christmas trees", and they want a special event call sign for it and that always puts the monkey on our back as to whether or not it complies with what the rules say. So we are trying to take it out of the subjective area that we have to exercise whenever we get a request like that.

I'm sure you all heard about the proposal to allow extra class license to pick their own call and to have a second call in the 1 by 3 category. What's the rationale behind it? In case you haven't read it, you know every since 1968 extra class licensees who have been in the game for 25 years could apply for and receive a two letter call. A period of time has gone by and we believe that those extra class licensees with 25 years of service who are interested in obtaining a two letter call have exercised their option, or do not intend to, or they think so much of their old call that they do not want to give it up and that, of course, is their privilege. We have a whole batch of two letter calls laying around in each district and we couldn't think of anything better than to use this as a part of incentive license program. So when the notice of proposed rule-making comes to your attention, please say what you think, because we want to know!

The Class E Citizens Radio Service which was proposed 3 or 4 years ago, which proposed to take some space out of our 220 Mhz band, is showing some signs of wiggling around again. We thought the thing was fairly quiet, and it was for a while, but I see signs now that there will be increased attempts made to revive the Class E Proposal and I even think (Continued on Page 4.)

ALBRIGHT	Roy	W5EYB	107 Rosemary	78209	822 7269
ALBRIGHT	Hazel		"		
AMMANN,Jr	Jack	WA5NAD	603 Mauze Dr.	78216	342 2996
ANDERSON	Marshall		875 Estes Ave	78209	828 3415
ARMSTRONG	Aubrey	K5MOF	7503 Karen Skys Cir	78228	698 2564
ARNETT	Foster		1812 Mardell	78201	733 9048
ARNETT	Christine		"		
BALDWIN	Bob	WN5MCJ	419 W. Mariposa	78212	734 6148
BARBERO	Fidel	WA5LAM	5302 Newcome	78229	684 0271
BARNES	Wm. E	WA5CBT	434 Windcrest Dr.	78239	655 4972
BARRY, Jr	Jerry	K5AXN	3538 Crestmont Dr.	78217	653 0430
BECKER	Chas. D.	W5HYX	4538 Centerview #248	78228	341 4040
BELK	Roland	W5LLS	3615 Skylark	78210	534 8476
BETTIS	Wm. C.	W5GYW	543 Craigmont Ln.	78213	342 6564
BIRDSONG	Lynn	WN5IPV	3000 Graystone #130,Austin	78731	
BLAIR	Robert	K5AY	9542 Gold Hill Dr.	78245	674 0201
BOHLING	Herbert	WA1CST	473-B Billy Mitchell	78226	435 1763
BOHLING	Geneia		"		
BOOHER	Gale		107 Springwood Ln.	78216	828 5243
BOOTH	Earl		738 E. Fomosa	78221	924 2789
BORCHERS	Bruce	W5KIX	210 Greenwich	78209	826 8819
BOWLES,Jr	J. W.	WB5ETW	603 Storeywood	78213	342 7417
BOX	Frank	WA5VFM	1431 W. Hollywood	78201	734 5893
BOX	Virginia		"		
BROTHERMAN	John	K5BZZ	3730 Briarhill	78218	655 1148
BRUEMMER	John	W5LVE	1934 Arroya Vista	78213	344 5134
BRUEMMER	Frances	W5KQG	"		
CAMPBELL	Larry	WB5GYJ	5146 Gawain	78218	653 5616
CASE	Bill	W5FNA	114 Anastacia Pl.	78212	822 1341
CHASE	Tom	W5KLL	P.O.Box 952	78294	432 8773
CLAPHAM	Fuzzy	W5FZN	3806 Crossette	78228	736 3111
COFFEY,Jr	Jeff	WA5BNM	3102 Mindoro	78217	655 6483
CONNAWAY	Jerry	W5KLV	110 Rosemont	78228	733 0653
CORELL	Gary	WA5QJH	827 Topeka	78210	532 2340
CRABB	John	WN5LKS	810 Glanis	78223	533 8680
CRISWELL,Jr.	Thomas	W5MXF	4111 Mt. Laurel	78240	696 3576
CROSBY	Edward	WN5JHW	9635 Caney Creek	78245	673 7263
CROUSE	Harry	W5KCR	3703 John Alden	78230	696 3993
DAVIS	Dean	W5BGE	1518 Santa Anna	78201	735 1622
DAVIS	Maybelle		"		
DECKER	Howard	WA5ZDF	2142 W. Kings Hwy	78201	732 3069
DE LAY	Dan	W5DUI	2431 W. Mistletoe	78328	734 4739
DE LAY	Peggy	WA5GZO	"		
DICKSON	Howell	W5FKE	Star Rte 1 Box 467,Spring Branch 78070		
DOUNSON	Pepos	W5OSG	114 Dwyer	78204	226 3041
DRIESSLEIN	Homer W	K5LTE	1231 Arroya Vista	78213	344 1213
DRIESSLEIN,Jr.	Homer	K5MEN	314 Basswood	78213	342 9775
DRIESSLEIN	Becky	WN5IVZ	"		
EGGLESTON	Les	WA5GOQ	230 Montpelier	78228	734 0698
ELDER	Guy	WB5JEV	5146 Village Path	78218	
ESPINOZA	Joe		141 Spartz	78211	
ESSINGTON	Les	W5BE	Rt 2 Box 287-D	78228	698 2215
ESSINGTON	Virginia		"		
FITZHUGH	J. V.	W5VL	501 Shook	78212	732 3467
FRITZ, SFC	Mike	WN5HLX	476-38-2074 124th MED DET (DS) APO 09189		
GALLAGHER	Joe	WA5OMB	120 Elizabeth	78209	826 7533
GARCIA	Richard	WA5VMW	4876 Rollingfield	78228	684 4905
GARCIA	Georgia.	WN5JXZ	"		
GARNER	George	W5SFK	127 Ellena Claire	78225	922 1488
GERWITZ	Frank	W5QMH	3842 Crosette	78228	734 5598
GLASS	Tom	WA5ULP	106 Wickford Way	78213	696 2341
GOODE	Jay	WN5KTD	5839 Castle Run	78218	653 7875
GRAF	Calvin	W5LFM	207 Zorina	78213	344 5032
HALE	Wm. C.	WA5OJC	5626 Ponderosa	78240	684 1200
HAMRICK	Bill	K5PWX	136 Honeysuckle	78213	341 4331
HARRIS	M. D.	K5PKK	513 Nardac	78218	655 0437
HENDERSON	George	W5OI	2641 Nacogdoches Rd.	78217	824 5612

that it will not be 1 Mhz, but in all likelihood 2 Mhz, 223 to 225, so you might keep your eyes open in the future.

Now, about the amateur radio advisory committee, which I am sure you have all heard about. The request to establish that committee has to come from the Commission. It has already been initiated and is in the mill at the present time. The charter for this amateur radio advisory committee is in draft form and the item is to be placed before the Commission on its agenda for the consideration of this committee. This is one that will operate in a formal manner with the members being able to provide the Commission with information so that in the end we could provide a much better set of rules and regulations for the amateur service which I am sure you will all agree with. The membership on the committee would have to be balanced in terms of their points of view and their different interest in amateur radio. We will, of course, attempt to get knowledgable people, professional, if you will, on the committee so that their view points would hold water and carry respect.

You all know what the present licenses structure is. We begin with the Novice license, and that's in the HF area. We have Technician class which is in the UHF-VHF area. Then we have the General and Conditional class which according to the rules can operate on either HF or VHF. We have the Advance class which is in both HF domain and microwave domain. Then we have the Extra class which is the granddaddy of them all. So keeping this in mind as we think about this structure -- where do we go? Why do we want to restructure the amateur service? Why do we want to further complicate the amateur structure? Let's see if I can answer that, this afternoon. Note, if you please, since 1968 the policy of the FCC in the amateur service has been what is called as incentive license. Now, the only incentive that has been offered over the years has been in the HF area. The Technician class which operates in the VHF area has no incentive. It seems to us as we evaluate the privileges and requirements that in order to have a truly reasonable system of licensing in the amateur service, we should extend the incentive licensing policy up to the UHF-VHF area, also.

You might wonder what is the distribution of amateurs and by the way, there are 255,111 of us. The distrubution according to class of licenses: 8.5% Novices, 19.1% Techs, 42.5% General or Conditionals, 23% Advance, and 5% Extra class. The examinations are being revised as rapidly as we can. We are trying to make sense of them. By the way, there will be an increased emphasis in this restructure proposal on measurements.

One of the things that came to our attention when we began to analyze some statistics was that we are losing amateurs. Overall, we are losing about 350 a month. If this is the trend, I think the amateur service is going to be in deep trouble. What can we do about it? We think if the restructuring proposal goes through either as we proposed it, or in a modified form, depending upon your comments that it will not take too long before the number of amateurs will be doubled, and probably in a 5 year period, I fully expect the number of amateurs in the U.S. will reach one million.

Let's look at how you may proceed with the restructuring. On the VHF-UHF side we have the Communicator, the Technician and, finally, the Experimenter. Let's say the Communicator will not have any code requirement. He will have to pass only an examination on what he needs to know to operate his station when he first gets on the air. His privileges will be restricted, in terms of power. They would be restricted in terms of emission. I expect it would probably be proposed as F3 emission. I think this would attract a great many good CBers into the amateur ranks. If the Communicator class, for example, wants to move up to Novice, there are a couple of things he would have to do. He would have to take the examination on whatever the theory and regulations that are applicable to the Novice exam, as well as the CW requirements. The Novice, if he wants to move up, and if he wants to operate in both the short wave domain and the microwave domain, could get an endorsement on his existing license that said you have now passed 13 wpm, or you have now passed the theory examination that indicates you know what a duplexer is, etc. So you could, I suppose, have a system in which you could provide endorsements on the man's license. This is the one we favor where we have a parallel system. The kind of incentive things we have at the present time in the HF series applies also to the VHF-UHF series, and it would be based upon privileges, achievements and requirements, and it is entirely conceivable to me, eventually, the licensee of a repeater station would (Continued on Page 6.)

HIGGINS	Larry	W5QMU	2522 Old Hickory Trail	78230	341 2910
HIGGINS	William	WA5KCB	6339 Pickering Dr.	78238	684 7742
HODGDON	Francis	WB5ERI	13645 IH-35 North, Lot 1	78233	655 3607
HUMLICEK	Lawrence	WA5PAF	254 Future	78213	341 8092
HUMLICEK	Barbara	WB5GAH	"		
HUNT	John	W5DKK	3622 Igo Dr.	78230	696 4268
HUNT	Emma Jo		"		
HUNTER	David	W5DUU	10702 Lost Hilltop	78230	690 9043
IDLER	Gerald		6602 Fairdale	78218	653 8236
IVERS	John	WA5IFR	1006 Gardina	78201	736 3898
JAMES	George	WB5LDN	9215 Summerwind	78217	655 3934
JAMES	Chris	WN5LKQ	"		
JANK	Gene	W5EJT	100 N. Winston Ln.	78213	342 2225
JANK	Ruth	K5OPT	"		
JARLEN	Rolf	W5HWV	P. O.Box 16277	78246	826 2676
JOERG	Charles	WA5JVX	263 W. Harding Blvd.	78221	924 8808
JOHNSTON	Dan	W5YOY	P. O. Box 6703	78209	
JONAS	L. K.	W5EOS	5507 Keystone Dr.	78229	684 1384
JONES	Leonard	K5KRZ	122 Sarotoga	78213	341 2389
JORDAN	Frank	W5EDX	2334 W. Mulberry	78201	733 8978
KARPOWICZ	Gregory	WA5UAM	138 Tabard Dr.	78213	736 0615
KAY	Joe		1234 Oblate Dr.	78216	826 6760
KENWORTHY	Chuck	WB5FWI	906 Patricia	78213	342 4541
KILEY	Bill	W5UBJ	634 Pilgrim	78213	342 0407
KIRTLAND	Charles	WN5LOW	12102 Rustic	78230	696 0421
LA BELLE	Joe	WN5LCU	3006 Wroxton Rd.	78217	653 4606
LASTER	Clay	W5ZPV	10915 Burr Oak	78230	344 7356
LATIGO	Roy	WB5LGA	1918 Harpers Ferry	78245	675 0498
MANGOLD	Ivan	WA5RNV	8702 Post Oak Ln.	78217	826 6515
MARTINEZ	Mike	WA8BUN	102 W. Rampart	78216	342 1817
MATIAS	R.A.	WA5RFW	7215 Meadow Breeze	78227	673 7944
MAYES	Warren	WA5JTU	246 Gettysburg Rd.	78228	732 6676
McCOMB	Jack	W5OR	3522 Clearfield Dr.	78230	696 8744
MEYER	Gilbert	WA5UNZ	Box 54 Lytle, Texas	78052	
MEYER	Mary		"		
MEYER	Herbert	WB5CIA	134 Milford Dr.	78213	344 5865
MILLER	Omer	W5RSK	534 Condleglo	78239	653 0631
MOHN	John	W5MEU	203 Deer Oak	78228	679 7004
MONTEMAYOR, C.F. (Monty)		W5YZ	9258 Theysen, Houston, Tex.	77055	462 2867
MOORE	Grant	W5DRO	118 Erskine	78201	732 6657
MUNSCH	George	W5VPQ	11314 Janet Lee	78230	344 4191
MUNSCH	Ella	W5TSE	"		
OHMES	Leonard	K5IEG	310 Milford	78213	344 5372
OLSON	Dwight	W5PEK	P.O.Box 86, Von Ormy, Tex.	78073	622 3816
ORTIZ	Roland		2714 Durango	78207	433 8405
OSBORN	Robert	WA5JDU	2315 W. Kings Hwy.	78201	733 9474
PADGETT	Sylvia		3350 Indian Hills	78223	337 6549
PARRY	William	K5TSR	4343 Bright Sun	78217	655 6285
PATTERSON	Herbert	WA4RDA	7039 San Pedro, Apt .312	78216	341 0023
PAUL	Chris		3017 Minila	78217	653 1008
PERCIFULL	Daniel	K5ILE	115 Olney Dr.	78218	822 1838
PETERSON	Shailer	W5PJ	5511 Keystone Dr.	78229	684 0449
PHILLIPS	Claude	W5KJ	444 Hammond	78210	532 9330
PINKERTON	Juana Maria	WA5EZ J	7314 Oak Manor Dr.Apt 606	78229	342 2044
POMEROY	Eric	WN5LHQ	3018 Manila	78217	653 1878
PORTER	George	WB5KPQ	Rt. 1, F. H. 138, Boerne, Tx	78006	
RATNER	Adam	WB5GFE	313 Tamworth	78213	344 6136
RITTIMANN	Michael	WN5GAI	1702 Santa Barbara	78201	734 6952
ROCHA	George		230 Palestine	78211	
ROLAND	Floyd	W5JKU	1810 W. Hildebrand	78201	732 9275
RUGGLERI	Larry	W5MCH	1423 Del Rio Blvd.Eagle Pass, Tx.	78852	
RUNNELS	Ollyer	W5BDN	110 Palestine	78211	922 9463
RUTLEDGE	Jim	K5UKN	212 Placid	78228	735 8919
SAGER	Phil	WB4FDT	2700 Cincinnati 78284 433 2311 Ext. 617		
SARVIS	Corky	WB5CIT	138 Spanish Oak	78213	341 8006
SCHMIDT	Jonathan	W8BZB	9622 Boutwell	78230	341 7879

 PROSE PROPOSES (Continued from Page 4.)
have to hold the Experimenter class license. Another way, instead of endorsement, would be that you could hold a license in the HF area, as well as one in the UHF-VHF area.

One of the objectives that we have had over and above to bring about this incentive license program also the VHF-UHF amateur is the eventual merging of the Extra and the Experimenter at the top by passing a minimum examination.

What are the objectives of a call sign plan? The first prefix letter in the call should indicate preferably what type of station you have. Whether it is a primary station or a secondary station, a repeater station, a station in microwave domain, or in the MF-HF series. Normally, we can expect that anyone entering into amateur radio for the first time would be assigned what we call a 2 by 3 call. Two letters, the number would indicate the district, and then 3 letters for the suffix. As a part of the incentive licensing program the upgrading incentives we would visualize in the future the use of 1 by 1 calls, like W4A, 2 by 1 calls, like AA4A or WA4A, or 2 by 2 calls, AA4AA. This is an approach in applying incentive licensing system to call signs. Possible prefixes in the A block could run from AA to AL, single letter N prefix and combination double N to NZ.

Keeping in mind what the purpose of amateur radio is, the value of your services to the U.S., the advancement of the art, the improvement you can make in advancing skills in communication and the technical phases of the art, what do you want in the future? Let us know what your thinking is!"

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(EDITOR'S COMMENT: FIRST, we must wait till the proposed docket of rule-making comes before us--sometime in October, Prose said, with at least 6 months to reply--to really come to any conclusion. BUT at this time, to me, it looks like the tail is wagging the dog. The CB monstrocity has become so great and powerful with the FCC, that it is imperative that something had to be done. Opening up a back door-- the Communicators license, no code, very little theory--and letting the "GOOD" CBers slide in our amateur frequencies with the hope that we, the amateurs, will "police" them as we have done our own in the past, which will let the FCC "off the hook" and also "HELP" the Manufacturers of electronic gear sell more equipment. What does this make you think of? In the question and answer session the question was asked several times, "What if, at the present time, you held a General, Advance or Extra class license, would you have to do to operate in the VHF-UHF band?" This was never answered to our satisfaction, but apparently you have to get some sort of endorsement or other licenses to operate there--for a FEE, or several FEES, of course!-- also it looks like the prefix of your call would be changed for each portion of the parallel system you choose to work in!

It looks like this incentiveness desire of FCC for the VHF-FM direction is nothing more than a smoke screen to "open up a back door!" Look what the VHF group has done already in the areas of repeaters, satellites, TIRS, etc., without having had an incentive threat hanging over their heads, or had to take more examinations, or pay more FEES, or change their call letters! There are over 900,000 CBers now. Prose stated that within 5 years the amateur ranks could grow to one million with the new restructuring--that would mean 2/3 CBers to 1/3 amateurs! LET'S BE PREPARED TO EXAMINE CAREFULLY THE DOCKET WHEN IT COMES OUT IN OCTOBER!!! de W5BGE.)

-...- -...- -...- -...-

TEXAS VHF-FM REPORT de W5BGE

The Texas VHF-FM Society meeting at Irving, Aug.2-3-4, was a great success. More than 500 amateurs were in attendance. A. Prose Walker W4BW, Chief Amateur & Citizens Band, FCC, was the featured speaker. Highlights of his speech on page one. The TIRS demonstration was acclaimed by all with a standing ovation. This was the first showing to the group of the Texas Intercity Relay System in operation. Using a walkie-talkie, they were able to key a repeater at Forth Worth which xmitted on 450 to Merridian, which in turn keyed the Waco 450 repeater, with Jim W5BOO handling the Waco end. This demonstration proved that TIRS has a working program. FCC had issued the call KT5IRS to the group for this momentous occasion.

Better than 30 SAers were in attendance. Tex W5QDB took a bus load. George W5VPQ and Ella W5TSE were there in their Winnabago. Johnny W5LVE and Frances W5KQG were there sporting a new travel trailer which they had just purchased at Norman, Okla. Terry W5ETG was available at the hospitality room to greet all the SAers, and had a part on the program. Larry W5QMU and (Continued on Page 7.)

SCHNEIDER	Otto	WA5UYE	Rt. 15, Box 196-E	78228	695 3391
SCHNEIDER	Laura	WN5FFP	"		
SCHWARTZ, Jr.	Wm.	W5CHO	502 Wax Wine Cr.	78239	653 3090
SCOTT	Larry	WB5GVD	410 Springvale	78227	675 1988
SCOTT	Linda	WB5LEM	"		
SETTLES	Charles	W5UKN	5419 Knowl Krest	78242	674 6833
SEURER	Edgar	ex-WA9PFT	5834 Castle Lake	78218	653 4717
SHEAN	John	W5LPO	3302 Litchfield Dr.	78230	696 1879
SIMPSON	Wayne	WB5FNI	208 E. Pyron	78214	922 1470
SMALL	Paul	WA5EIU	238 Future	78213	344 6098
SMITH	Burnley	K5ZJA	2651 W. Gramercy	78228	735 3476
SPIES	Richard	WA5FOE	431 Club Dr.	78201	734 4788
STEVENS	James		5203 Charter Oak Dr.	78229	684 0656
STEVENS	Russell	K5HAT	901 W. Lynwood	78201	735 9921
STEVENS	Jean		"		
STEWART	Leo	W5IPL	823 N. Verde	78240	684 2539
STRYKER	Allen	K5MBL	3314 Triola Dr.	78230	696 4468
TANNER	Mike		1724 Lynette #3-A	78209	824 6016
THOMPSON	John	WB5BGV	440 Ridgewood Rd. Austin, Tx	78746	327 2297
TRUEHARDT	Tom		263 Lanark	78218	655 3494
TURNER	Randel	WN5LOA	321 Carleton Ct. #8	78212	734 2674
ULREY	Lee	K5HZR	Rt. 1, Bx 414, Marion, Tx.	78124	420 2153
ULREY	Emma		"		
VALLS	Mike	WA5RLZ	12527 La Mania	78223	653 5935
VIA	Bob	WB5FDT	6827 Spring Hurst	78249	696 2754
WARNER	Clarence	W5HIV	247 Dawnview Ln.	78213	344 5520
WAY	Bill	WA5QHG	215 E. Cheryl Dr.	78228	433 5154
WAY	Gladys		"		
WEST	Roland	K5VRM	7402 Buckboard Ln.	78227	674 3586
WHEATON	Robert	W5PKK	Rt. 2 Box 324-D	78228	695 8430
WHITAKER	Frank	W5ZI	330 Latch Dr.	78213	733 8941
WHITFIELD	Robert	W5TST	Rt. 2 Bx 13-E, Marion, Tx.	78124	
WILLIAMS	George	W5KCV	3957 Willowbrook	78228	733 8028
WILLIAMS	Lawrence	WB5CNX	714 Olney Dr.	78209	822 0408
WILLS	Harry	W5OHB	1012 Fawn Dr., Schertz, Tx.	78154	651 6031
WOODARD	Bruce	W5OSJ	133 Rio Bravo	78216	694 2142
ZAWALICK, Jr.	Francis (Ssgt.)	FR21 4524864, 2165 Comm. Gp, Box 558. APO, San Francisco 96280			
KENNEDY	Tex	W5QDB	2618 Rigsby Ave.	78222	333 6110

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TEXAS VHF-FM REPORT (Continued from Page 6.)

Roy W5EYB also were active on the program. Gene WA5CBT was the lucky winner of a 2M Tempo talkie--now mobile on his motorcycle! Thad W5IRQ ex-SAer & ex-SARC prez, now in Arlington, was wandering around looking up old friends from down this way. The SARO group will sponsor the winter meeting sometime in Feb. The convention was well planned. de W5BGE.

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SARC ELECTION OF OFFICERS

Bill Way WA5QHG, SARC President, has appointed Roy W5EYB, George W5OI, Bob WB5FDT and Dean W5BGE to serve as a nominating committee to present at the Sept. meeting a slate of officers for the coming year. The committee has asked for suggestions from the membership. Your attendance at the Fri. Sept. 20 meeting is urgently requested.

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TEXAS TRAFFIC NET PICNIC

The Tex. Tfc. Net will hold its annual picnic Sept. 14 and 15, at the Mountain View Lodge at Lake Brownwood. All interested amateurs are invited to attend.

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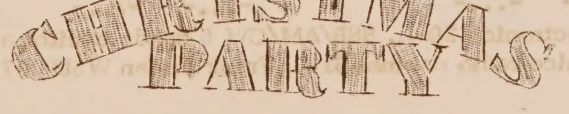
SPLATTER : WB4TDX (ex WA5IBD, Al Trappe) is in S.A. awaiting the arrival of a grandchild. The proud mother-to-be is Linda Trappe Scott WB5LEM.

ARDEN GROVE PARTY HOUSE PLAN NOW!



SATURDAY NOVEMBER 30th. 1974.

Technical Topics

By W5LFM Cal Graf

It was in 1844 that Samuel F. B. Morse sent the telegraph message, "What hath God wrought!" from Washington to Baltimore, a distance of about 30 miles. One hundred and thirty years later, on July 15 of this year, the same telegraph key used by Morse to send his famous message was used by the president of Western Union to send the same message. This time the message was sent from New York via Westar which is the first U. S. domestic communications satellite launched last April 13. An awful lot of dots and dashes have gone under the sounder since Morse did his original work with the telegraph. None of us can really project what techniques and devices will be in everyday use 50 years from now. But we do know that no matter what we projected, we would miss our mark by shooting low.

One thing that makes forecasting of the electronic future difficult is that we cannot tell what devices will be with us at that time. When Edison was inventing the electric light bulb, he observed what we call the "Edison effect." But he was inventing the light bulb, not the diode. So he went on his way. When the vacuum tube was being invented how could anyone be concerned about the transistor which was to be invented 40 years later? And did you know that the field effect transistor (FET) was invented before the germainium transistor? Would it have been possible to convince the 3 inventors of the transistor (Shockley, Bardeen, and Braittain) when they had one operating transistor that just 25 years later there would be 25,000 transistors packed into one integrated circuit about the size of that same transistor?

The price of electronic pocket calculators continues to drop and you can find some real bargains if you look around. One of the local discount houses recently had the Novus 650 calculator on sale for $17.88. This unit did the standard four functions with a 6 column display with fixed decimal. It is expected by Texas Instruments that the price of pocket calculators will bottom out the way transistor radios did, costing under 5 dollars. But that may be some time yet. Meanwhile--try it, you'll like it!

Earlier in the SARC Bull-etin we talked about the liquid crystal display thermometer. There are now available temperature indicating devices which come in the form of tabs, labels, crayons, lacquers, and pellets. These devices change color when the indicated temperature has been reached and would be real handy for using on certain critical devices such as high power transistors, relays, IC chips, etc. There is also a temperature indicating aerosol which can be sprayed to cover large areas. I'll bet Les Essington W5BE wished he had that years ago so he could tell when someone was writing a hot check!

The possibility of a talking pen appears to be in the offing which would be one of those hard-to-tell things of the future. Xebec Systems describes a computerized ballpoint pen that automatically translates hand-printed data into ASCII-coded data. The pen is designed to replace keyboard entry devices now in use. The pen uses transducers in the head of the pen to sense the direction of movement. This information is sent to pattern recognition circuitry where the symbol being drawn is defined. Both a visual and an aural display of the information is fed back to the user so a check can be made to see if a corrent entry was made. If it wasn't, a line is merely drawn from right to left to erase the character and a correct entry is entered. When memory disc is added to the system, it is possible to get an audio response in which the name of the character is spoken.

The 5 September 74 issue of ELECTRONICS magazine will have an article describing an item which SARC members have seen or read about--the Humbug. The November 73 SARC Bull-etin described the Humbug in detail--a hand-held audio amplifier with telephone pickup and speaker which detects changing magnetic fields. Added to what the device will do are detect buried water pipes because of the induced 60 Hz hum, provide an output when dipped into a pool of water and monitor the voltage output from a heart pacemaker.

And so it goes. Regards for now. Cal Graf W5LFM.

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FOR SALE: Central Electronics 20-A, SSB/AM/CW 6 bands exciter and VFO $75. 15"Magnavox speaker in nice radio cabinet $15. Frank Jordan W5EDX 733-8978,2334 W. Mulberry, SA, 78201.

Alamo DX Amigos

By W5LPO John Shean

Greetings from the Alamo DX Amigos! (ADA) We are now a "duly affiliated ARRL Society". Credit for such fast approval goes to our hard working director, Roy Albright W5EYB, who hand carried our papers to ARRL executive board meeting. Our club has established many interesting and worthwhile goals, and solicits membership and support of interested DXers within a 100 mile radius. Meetings are held on the last Friday of each month at a designated member's home. For information on meetings, call ADA secretary, John Shean W5LPO, at 696 1879.

The last meeting was held at the home of Ed Tietz W5OSH. Highlights of the meeting were: formalization of the club by presenting its charter; confirmation of first slate of officers, with Les W5BE as Prez; Gene W5EJT as Veep; John W5LPO as Sec/Treas; Bill K5TSR as Activity Manager; recognition of Bruce W5OSJ for his scorings in the annual CQ magazine DX Tests; and an interesting slide/talk shown by Danny Weil VP2VB on his internationally known world circling DX.

With the summer DX doldrums showing signs of erosion, the more choice types of DX have been making more frequent appearances, and it is felt that it will get even better. Such exotic ones as: VK9YV Cocos/Keeling Island; VK9XX Christmas Island; AC3PT in Sikkim, and CR8AC in Portugese Timor have been worked recently. General band conditions have been excellent, considering the sun spot cycle is low. Those listening from 7 to 10 AM, have heard many more good ones. A sample from one morning from 14 Mhz showed following active with good sig: XV5AA Vietnam, YBØGC Indonesia, 9M8VLC Borneo, JA4AJ Japan, UKØ Asiatic USSR, VK6 Australia, VS5MC Brunet State, ZS5PG South Africa, DU1EN Philippines.

The club DX tip-off system got a good work-out the other morning when Les "night-Owl" W5BE heard the rare station on the Cocos/Keeling Islands at 3 A.M. Less called all members who needed this DX and they all came up on frequency and worked VK9YV. Strange conversations and unlikely jargon can be found on channel 49/49 in the San Antonio area--It isn't two UFO's yakking, but only the ADA club DX tip-off and coordinating net going on. W5LPO, W5BE, W5KCR and K5TSR are inaugurating this service net. Contest activity recently, featured the annual German DARC Sponsored "WAE", work all Europe contest. While conditions were excellent on 14/7 Mhz--the East Coast boys "stonewalled it", making it necessary to use all possible skill, sharp receiver filters, prayers, etc., to separate those eastern rock-crusher super kilowatts from the weaker DX signals. Suggest everyone work in the next "biggy" contest to come along. Watch for information in QST.

Heard in the pile-ups--Frank W5EDX almost breaking his neck trying to get out of bed in response to 3 A.M. tip-off call for FK8AH, wondering why he couldn't make it, seems he had moved the bed the day before and forgot his side was now against a wall; Jim K5UKN sitting there staring at his R4C at 4 A.M. one morning after responding to a tip-off for a "biggy"--charging into El Shacko wide awake, only to find he had already worked that one, and muttering, "Why me? Why me?"; Roy W5EYB working an EA8 (XYL) on his mobile rig to get the gangs attention, and then giving us the business about his DX on six meters with his "special" antenna. Said antenna turns out to be a slightly beat-up surplus U.S. Signal Corps six meter loop antenna. It hangs on the side of his shack, where it can double as a clothes line for the XYL, and resembles an olf beach umbrella with no cloth on it, crossed with an old submarine net for one man Jap subs; Bruce W5OSJ trying to peddle a box of El Ropo seegars and a case of 807's he had laid in for a week end try at a biggy DX--only to find it had cancelled; Bill K5TSR sporting a brand new Collins 75S3B receiver and claiming it's so hot he can pick up a cricket scratching at five miles range; Harry W5KCR carefully guarding his rare DX QSL from ZM7AG in the Tokelaus Islands, when he overheard some of the gang visiting his shack say, "If we didn't work the rate ZM7, then Harry should not have that card"; Ed W5OSH leaving a rare DX station pile-up to move up frequency to "tell off" some strong adjacent channel splatterer, and finding the biggy had gone QRT in his absence; Gene W5EJT wondering what it would be this time that would keep him from working the Mt. Athos coming up soon--odds were it will be a hurricane and Ma Bell will need his services; Jim W5JC trying to figure out how to mount a six element 20 meter yagi on his boat. Seems he only wants to be working DX or catching fish: 73, John W5LPO.

AN EDITORIAL
By the ARRL West Gulf Division Director.

We recently participated in a lively discussion concerning traffic handling procedures. Needless to say, there were some differences of opinion, particularly with the nuances of this somewhat complex subject.

We've all heard the expression "the hit dog hollers". As one who travels rather extensively, operating HF SSB, CW, and 2-meter mobile in many different localities, subsequent contemplation of that discussion lead ye old director to take this opportunity to let off a bit of accumulated steam.

Specifically, we are concerned about three aspects of operation, be it during net traffic handling periods, mobile, or casual conversation. They are: a. Long-winded monologues a la AM days, b. Too fast on the button during changeover from one station to another, and c. Use of the word 'Break'.

At some time or other, each of us has encountered that person who monopolizes a personal conversation by yapping interminably. In fact, if we didn't interrupt him, or walk away, there's no telling how long he would continue. We have those people on the air, too. And here we cannot interrupt. Most of us have the instincts of a gentleman, so we just sit there and suffer in silence, hoping he will run out of wind and give us an opportunity to make a comment or so.

Then, there is that large group (most of us, in fact), who sit with a finger on the button (or the vox on the verge of tripping) breathlessly awaiting a millimicrosecond pause which will enable us to take over the frequency, hopefully before the final syllable fades from the speaker, as if we must take up the verbal cudgel before the frequency disappears (or FCC comes out with another regulation taking us off the air).

And, finally, the ubiquitous word 'break', or 'break, break', or 'break, break, break', in obviously ascending degree of urgency - usually hoping to drive a wedge into the uninterrupting flow of verbiage which will permit him to inquire directions to the corner drug store, or some similar earth-shaking need for information. Or, perhaps as is more often the case, an opportunity to agitate the carbon granules in his own microphone.

No civilized person would rush up to a group engaged in conversation and holler 'break' in order to join in the discussion, regardless of the degree of urgency.

And, from the purely ethical viewpoint, monopolizing the frequency is just plain discourtesy. As Washington said - "We should be guided by that little spark of celestial fire - conscience."

But in the larger sense, there are far more important considerations. Performance of our public service responsibility is becoming increasingly important in our efforts to retain the right to use amateur frequencies.

Obviously, because of technical reasons, we cannot gain immediate access to an occupied frequency. And, a station facing a real emergency; one with really important traffic to handle, or a mobile in trouble or needing directions, must be given access to the channel.

The solution is simple. It merely requires us to get into the habit of making short transmissions; and pausing before pushing the button, long enough to permit another station to enter the conversation.

We are learning that rules of common courtesy exist on the highways - lets apply them also th the airways!

THY WORD IS A LAMP UNTO MY FEET, AND A LIGHT UNTO MY PATH. The Bible.

73,

Roy L. Albright, W5EYB
Director.

San Antonio, Texas.
31 August, 1974.